



*Global Presence
Personal Attention*

Mr. Dave Vasbinder
Bridgeton Landfill, LLC
13570 St. Charles Rock Rd.
Bridgeton, MO 63044

April 28, 2010

Dear Mr. Vasbinder:

**Second Quarter 2010 NSPS Surface Emission Scan Results
Bridgeton Landfill, LLC**

Per the 1998 Bridgeton Landfill Gas Collection and Control Monitoring Plan, Herst & Associates, Inc. performed surface-monitoring activities on April 28, 2010 as part of Annual New Source Performance Standards (NSPS) sampling. The activities were performed using a Gastech GT201 gas-monitoring device calibrated using 50% Lower Explosive Limit (LEL) methane. In accordance with Section 2.5 of the Landfill Collection and Control Monitoring Plan, a background concentration is measured prior to landfill surface measurements by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least thirty (30) meters from perimeter wells. Prior to surface monitoring on April 28, 2010, upwind background and downwind background measurements were conducted near the southeast corner of the landfill and near the landfill office respectively. Both upwind background and downwind background readings were recorded as 000 ppm.

The sampling was conducted by measuring methane concentrations throughout the area described by the attached figure. For the monitored portion of the facility, Herst and Associates, Inc. performed sampling by pacing off approximately 100 feet and recording a measurement in a serpentine manner across the surface and perimeter of the landfill.

As described in the Landfill Collection and Control Monitoring Plan, readings greater than 500 ppm above background require re-sampling and possible corrective action. During the April 28, 2010 surface monitoring activities, no detections were observed where methane concentrations were in excess of 500 ppm above background.

Should you have any questions or concerns, please contact the undersigned at your earliest convenience.

Sincerely,

HERST & ASSOCIATES, INC.



Brandon Killion
Staff Environmental Scientist



Ward E. Herst, P.G.
Managing Partner

Cc: Jared Romaine, Monitoring Control and Compliance

*Attachments: Second Quarter 2010 Monitoring Area Map
Surface Emission Monitoring Data*



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Surface Emission Monitoring Data

Date: 4/28/10 Site: Bridgeton Landfill
Location: Bridgeton, MO Personnel: Brandon Killian + Leslie Keuss
Weather Information:
Wind Direction: East Wind Speed: 25 MPH
Temperature: 65°F Barometric Pressure: 29.78"
Weather Conditions: Sunny

Calibration Information

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 10% of the calibration gas value.

Instrument ID # : _____ Calibration Gas Concentration: _____ %LEL

Trial	Zero Air Reading	Calibration Gas Reading	(Cal Gas Conc - Cal Gas Reading)
1	0 ppm	50%	0
2	0 ppm	50%	0
3	0 ppm	50%	0

Average Difference: 0

Calibration Precision = Average Difference / Cal Gas Conc X 100%
= 0 / 50 X 100%
= 0 %

Post Monitoring Calibration Check

Zero Air Reading: 000 ppm Cal Gas Reading: 50% LEL

Background Concentration Checks

Upwind Location Description: S.E. Corner of Landfill Reading: 000 ppm
Downwind Location Description: Landfill Office Reading: 000 ppm

Notes:

Weather conditions from www.noaa.com



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Mr. Dave Vasbinder
Bridgeton Landfill, LLC
13570 St. Charles Rock Rd.
Bridgeton, MO 63044

June 4, 2010

Dear Mr. Vasbinder:

**Second Quarter 2010 Non-Routine NSPS Surface Emission Scan Results
Bridgeton Landfill, LLC.**

Pursuant to your request, Herst & Associates, Inc. performed surface emission monitoring (SEM) at the Bridgeton Landfill on June 4, 2010. We understand that the SEM was requested in response to a recent flare outage, which has since been addressed. The activities were performed using a Gastech GT201 gas-monitoring device calibrated using 50% Lower Explosive Limit (LEL) methane. In accordance with Section 2.5 of the facility's Landfill Gas Collection and Control Monitoring Plan (AEC, 1998) background concentrations are measured upwind and downwind outside the boundary of the landfill at a distance of at least thirty meters from perimeter wells. Prior to surface emission monitoring on June 4, 2010, upwind background and downwind background measurements were conducted near the southeast corner of the landfill and near the landfill office respectively. Both upwind background and downwind background readings were recorded as 0 ppm.

The sampling was conducted by measuring methane concentrations throughout the area described by the attached figure. For the monitored portion of the facility, Herst and Associates, Inc. performed sampling by pacing off approximately 100 feet in a serpentine manner across the surface and perimeter of the landfill and performing measurements.

As described in the Landfill Gas Collection and Control Monitoring Plan, readings greater than 500 ppm above background require re-sampling and possible corrective action. During the June 4, 2010 surface monitoring activities, no methane concentrations were greater than 500 ppm above background.

Should you have any questions or concerns, please contact the undersigned at your earliest convenience.

Sincerely,

HERST & ASSOCIATES, INC.



Brandon Killion
Staff Environmental Scientist



Ward E. Herst, P.G.
Managing Partner

Cc: Jared Romaine, Monitoring Control and Compliance
Jennifer Phillips, St. Louis County Air Pollution Control Program
Lina Klein, Aquaterra

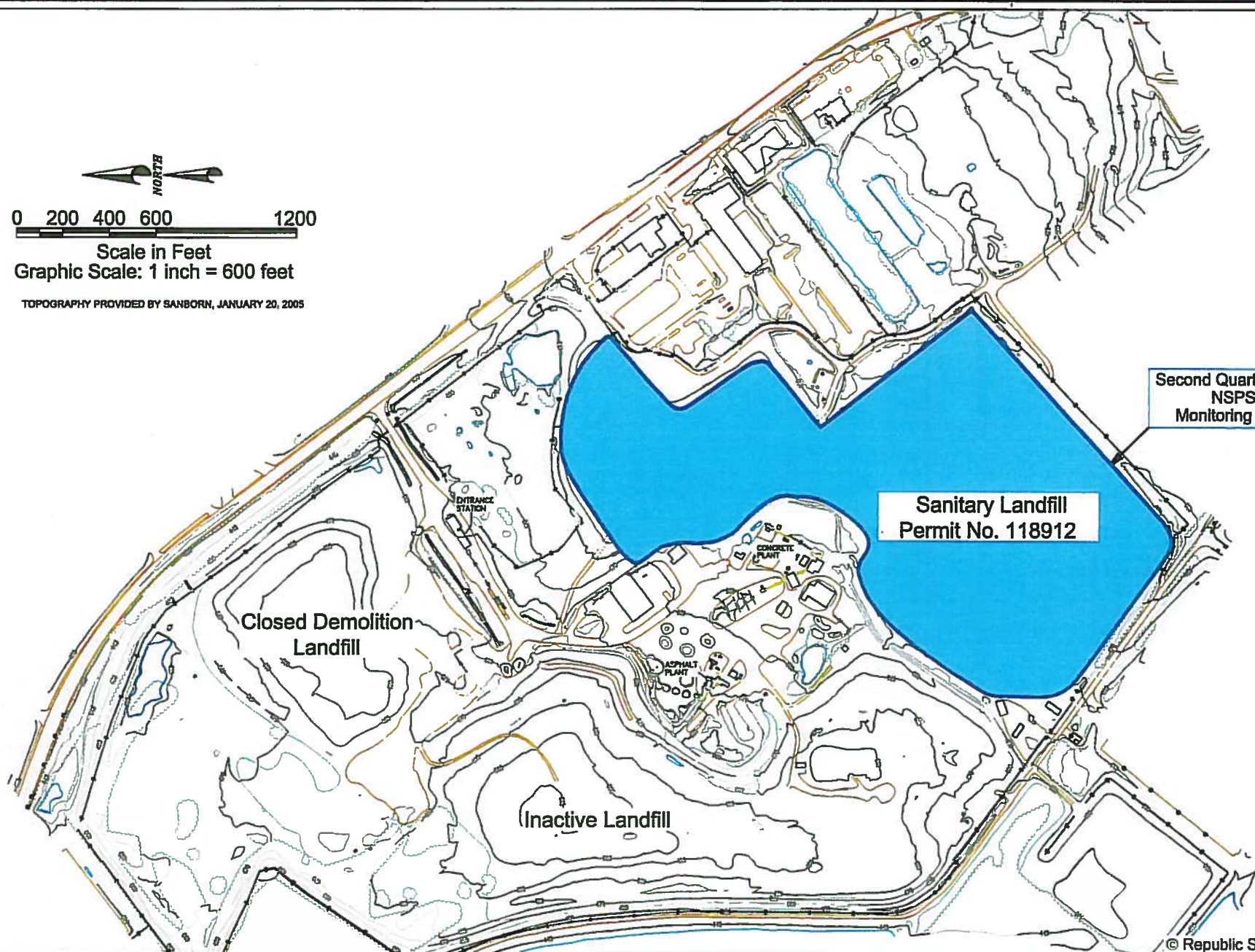
Attachments: *Second Quarter 2010 Monitoring Area Map*
Surface Emission Monitoring Data



0 200 400 600 1200

Scale in Feet
Graphic Scale: 1 inch = 600 feet

TOPOGRAPHY PROVIDED BY SANBORN, JANUARY 20, 2005



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Bridgeton Landfill
Bridgeton, Missouri

Second Quarter 2010
Monitoring Area Map



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Surface Emission Monitoring Data

Date: 6/2/10 Site: Bridgeton Landfill
Location: Bridgeton, MO Personnel: Erin Fanning
Weather Information:
Wind Direction: West Wind Speed: 20 MPH
Temperature: 80°F Barometric Pressure: 29.85"
Weather Conditions: Sunny

Calibration Information

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 10% of the calibration gas value.

Instrument ID #: _____ Calibration Gas Concentration: _____ %LEL

Trial	Zero Air Reading	Calibration Gas Reading	(Cal Gas Conc - Cal Gas Reading)
1	0 ppm	50%	0
2	0 ppm	50%	0
3	0 ppm	50%	0

Average Difference: 0

Calibration Precision = Average Difference / Cal Gas Conc X 100%
= 0 / 50 X 100%
= 0 %

Post Monitoring Calibration Check

Zero Air Reading: 000 ppm Cal Gas Reading: 50% LEL

Background Concentration Checks

Upwind Location Description: S.E. Corner of landfill Reading: 000 ppm
Downwind Location Description: Landfill Office Reading: 000 ppm

Notes:

Weather conditions from www.noaa.com